

COC SF  
Colbert 8.2 VI

ABC LABORATORIES, INC.  
EAST 4922 UNION AVENUE  
SPOKANE, WA 99219  
509-534-0161

RECEIVED  
JUL 31 1989  
SUPERFUND BRANCH

REPORT TO: Spokane County Dept. of Utilities  
N. 811 Jefferson  
Spokane, WA 99210

LAB NO: 32655-89  
DATE: 7-24-89  
SAMPLE DATE: 7-14-89

ATTN: Bruce Austin

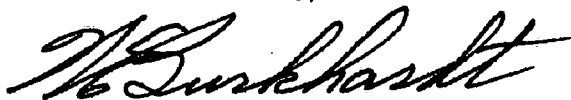
P.O.#: JUNE/JULY

DESCRIPTION: Perform Volatile Organic Scan on submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8th, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

Respectfully Submitted,  
ABC LABORATORIES, INC.



W.E. Burkhardt  
Manager

This report contains six pages.

USEPA SF



1414326

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities  
Lab NO.: 32655-89

NAME	(b) (6)					
	1273D-1	2373E-2	0373J-3	1473D-2	7/11/89 0273M-7	0273F-4
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	3	ND	ND	ND
1,1-Dichloroethylene	ND	ND	<1	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	2050	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
1,1-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities  
Lab NO.: 32655-89

NAME	(b) (6)					
	7/12/89	7/11/89				7/12/89
WELL NO.	1573C-3	0273C-4	1573H-3	0273E-2	1573B-4	1573C-11
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	14	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Dibromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities  
Lab NO.: 32655-89

NAME	(b) (6)					
	1573F-2	7/11/89 1573E-2	7/11/89 1073E-2	1573C-4	1473D-1	7/12/89 1573C-15
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	7	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities  
Lab NO.: 32655-89

NAME	(b) (6)					
	7/11/89 0273F-4	1573K-1	0273J-3	7/11/89 0273D-6	1573C-16	1573C-7
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Dibromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
O-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

# ABC LABORATORIES, INC.

Spokane County Dept. of Utilities  
Lab NO.: 32655-89

NAME	(b) (6)		
WELL NO.	1573B-3	1073L-4	7/12/89 1573C-8
Chloroform	ND	ND	ND
1,1-Dichloroethane	<1	ND	ND
1,1-Dichloroethylene	ND	ND	ND
Trichloroethylene	ND	ND	ND
1,1,1-Trichloroethane	45	ND	ND
Tetrachloroethylene	ND	ND	ND
Methylene Chloride	ND	ND	ND
1-Pentene	ND	ND	ND
Cyclopentane	ND	ND	ND
Trans 2-Hexene	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethylene DiBromide	ND	ND	ND
Ethyl Benzene	ND	ND	ND
M-xylene	ND	ND	ND
O-xylene	ND	ND	ND
P-xylene	ND	ND	ND
Cumene	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND
P-cymene	ND	ND	ND
Chlorobenzene	ND	ND	ND
M-dichlorobenzene	ND	ND	ND
O-dichlorobenzene	ND	ND	ND
P-dichlorobenzene	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND
Acetone	ND	ND	ND
Bromodichloromethane	ND	ND	ND
Bromoform	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND
Dibromochloromethane	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,1,2,2-trichloroethane	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND





TOPOGRAPHY	DESCRIPTION
1	EXISTING ROAD
2	EXISTING LOT
3	EXISTING LOT
4	EXISTING LOT
5	EXISTING LOT
6	EXISTING LOT
7	EXISTING LOT
8	EXISTING LOT
9	EXISTING LOT
10	EXISTING LOT
11	EXISTING LOT
12	EXISTING LOT
13	EXISTING LOT
14	EXISTING LOT
15	EXISTING LOT
16	EXISTING LOT
17	EXISTING LOT
18	EXISTING LOT
19	EXISTING LOT
20	EXISTING LOT
21	EXISTING LOT
22	EXISTING LOT
23	EXISTING LOT
24	EXISTING LOT
25	EXISTING LOT
26	EXISTING LOT
27	EXISTING LOT
28	EXISTING LOT
29	EXISTING LOT
30	EXISTING LOT
31	EXISTING LOT
32	EXISTING LOT
33	EXISTING LOT
34	EXISTING LOT
35	EXISTING LOT
36	EXISTING LOT
37	EXISTING LOT
38	EXISTING LOT
39	EXISTING LOT
40	EXISTING LOT
41	EXISTING LOT
42	EXISTING LOT
43	EXISTING LOT
44	EXISTING LOT
45	EXISTING LOT
46	EXISTING LOT
47	EXISTING LOT
48	EXISTING LOT
49	EXISTING LOT
50	EXISTING LOT
51	EXISTING LOT
52	EXISTING LOT
53	EXISTING LOT
54	EXISTING LOT
55	EXISTING LOT
56	EXISTING LOT
57	EXISTING LOT
58	EXISTING LOT
59	EXISTING LOT
60	EXISTING LOT
61	EXISTING LOT
62	EXISTING LOT
63	EXISTING LOT
64	EXISTING LOT
65	EXISTING LOT
66	EXISTING LOT
67	EXISTING LOT
68	EXISTING LOT
69	EXISTING LOT
70	EXISTING LOT
71	EXISTING LOT
72	EXISTING LOT
73	EXISTING LOT
74	EXISTING LOT
75	EXISTING LOT
76	EXISTING LOT
77	EXISTING LOT
78	EXISTING LOT
79	EXISTING LOT
80	EXISTING LOT
81	EXISTING LOT
82	EXISTING LOT
83	EXISTING LOT
84	EXISTING LOT
85	EXISTING LOT
86	EXISTING LOT
87	EXISTING LOT
88	EXISTING LOT
89	EXISTING LOT
90	EXISTING LOT
91	EXISTING LOT
92	EXISTING LOT
93	EXISTING LOT
94	EXISTING LOT
95	EXISTING LOT
96	EXISTING LOT
97	EXISTING LOT
98	EXISTING LOT
99	EXISTING LOT
100	EXISTING LOT

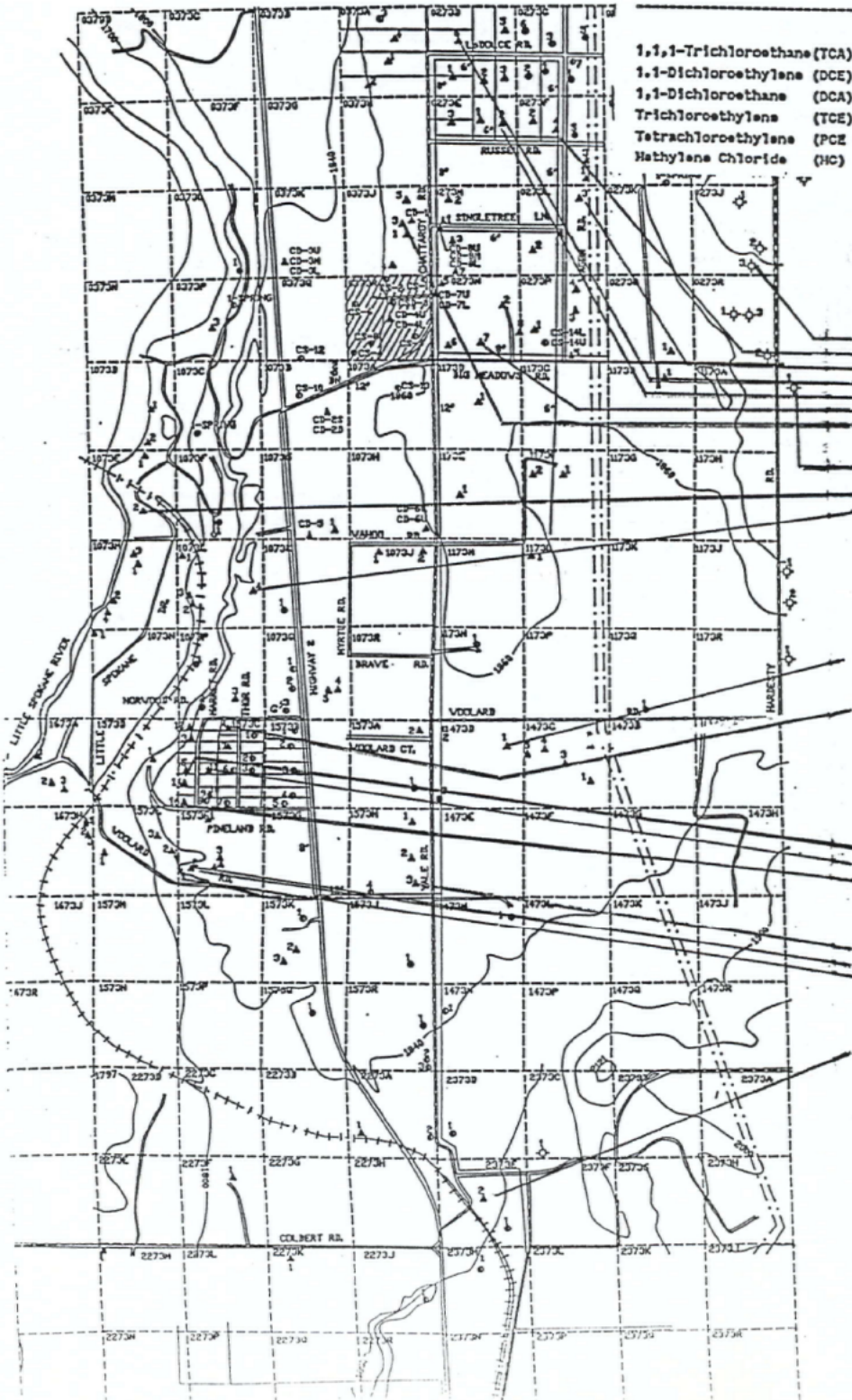
Health Protection Levels\*

\* Health Protection Levels are not to be exceeded, during operational life of remedial action in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

NOTE:

FOR IDENTIFICATION OF WELLS  
SEE WELL NUMBER/MARKER LEGEND

Contaminant	Maximum Concentration parts per billion (ug/l)	Basis
1,1,1-Trichloroethane (TCA)	200.0	HCL
1,1-Dichloroethylene (DCE)	7.0	HCL
1,1-Dichloroethane (DCA)	4050.0	HAC
Trichloroethylene (TCE)	5.0	HCL
Tetrachloroethylene (PCE or TETRA CL)	0.7	10 -5 cancer risk
Methylene Chloride (MC)	2.5	10 -5 cancer risk



DEEP							
JULY 14, 1988 02733-2 WELL # 111-TCA 11-DCE 11-DCA TCE TETRACL CHLOROFORM							
STUMP 8	02733-2	NO	NO	NO	NO	NO	NO
(b) (6)	02733-4	NO	NO	NO	NO	NO	NO
(b) (6)	02733-3	NO	NO	NO	NO	NO	NO
(b) (6)	02733-6	NO	NO	NO	NO	NO	NO
(b) (6)	02733-2	NO	NO	NO	NO	NO	NO
(b) (6)	02733-7	NO	NO	NO	NO	NO	NO
(b) (6)	02733-3	2059	<1	3	NO	NO	NO
(b) (6)	12730-1	NO	NO	NO	NO	NO	NO
(b) (6)	10732-2	7	NO	NO	NO	NO	NO
(b) (6)	10731-4	NO	NO	NO	NO	NO	NO
(b) (6)	14730-1	NO	NO	NO	NO	NO	NO
(b) (6)	15730-4	NO	NO	NO	NO	NO	NO
(b) (6)	15730-18	NO	NO	NO	NO	NO	NO
(b) (6)	15730-11	NO	NO	NO	NO	NO	NO
(b) (6)	15730-16	NO	NO	NO	NO	NO	NO
(b) (6)	15730-3	NO	NO	NO	NO	NO	NO
(b) (6)	15730-2	NO	NO	NO	NO	NO	NO
(b) (6)	15730-2	NO	NO	NO	NO	NO	NO
(b) (6)	23730-2	NO	NO	NO	NO	NO	NO





SYMBOL	LAYER	DESCRIPTION
	ROAD	EXISTING ROAD
	C/LINE	C/C CENTER LINE
	COVER	TRANSMISSION & R/R
	WATER	RIVER & STREAM
	GAS	1/4 SECTION
	OF R/W	
	MALD	RAIL UNDER R/W HALF
	DEED	WALLS OVER DEED SET
	OTHER	WALLS OVER OTHER ADJACENT
		SEAGATE COAST GUARD

**NOTE:**

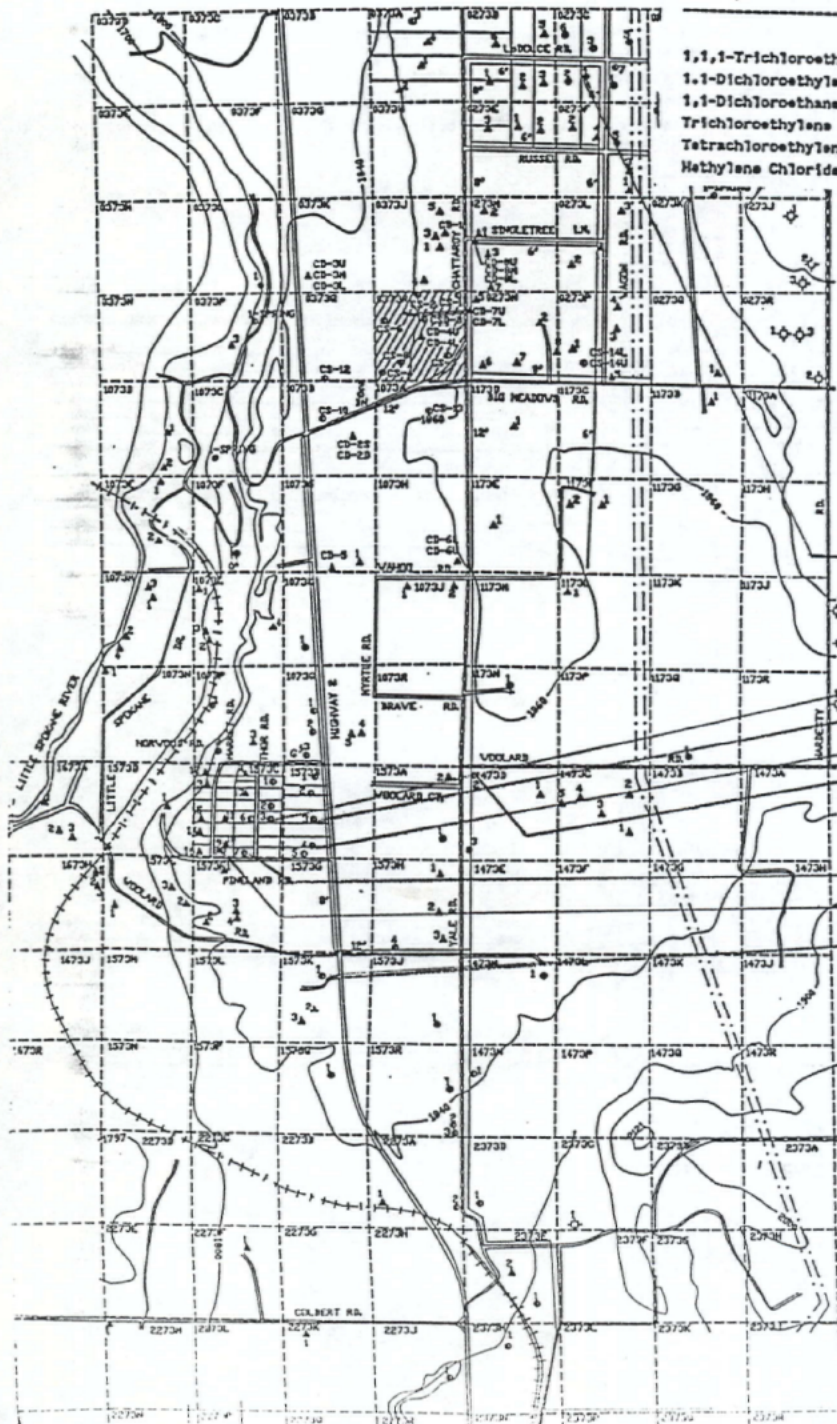
FOR IDENTIFICATION OF WELLS  
SEE WELL OWNER/MANNER LEGEND

#### MAXIMUM ALLOWABLE CONTAMINANT CONCENTRATIONS

## Health Protection Level: 0

\* Health Protection Levels are not to be exceeded, during operational life of remedial action in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

Contaminant	Maximum Concentration parts per billion (ug/l)	Basin
1,1,1-Trichloroethane (TCA)	200.0	HCL
1,1-Dichloroethylene (DCE)	7.0	HCL
1,1-Dichloroethane (DCA)	4050.0	HAG
Trichloroethylene (TCE)	5.0	HCL
Tetrachloroethylene (PCE or TETRA CL)	0.7	10 - 8 cancer risk
Methylene Chloride (MC)	2.5	10 - 8 cancer risk



SHALLOW

JULY 14, 1969 #32855-B MELL R.111-JCA 31-UGL 11-UGA TGL TETRACL CHLOROMPHOM

(b) (6) \_\_\_\_\_ 0273C-1 HQ \_\_\_\_\_ HQ \_\_\_\_\_ HQ \_\_\_\_\_ HQ \_\_\_\_\_ HQ \_\_\_\_\_

(b) 1573C-3 NO NO NO NO NO NO

(b) \_\_\_\_\_ 15738-3 45 NO (1 NO NO NO

(b) 1573R-6 14 ND ND ND ND ND

(b) 14730-2 HQ HQ HQ HQ HQ HQ

(b) 1573C-7 NO NO NO NO NO NO

(b) (6) 1573G- B HQ HQ HQ HQ HQ HQ

(b) 1573X-1 HQ HQ HQ HQ HQ HQ